

|  |  |                      |                                     |
|--|--|----------------------|-------------------------------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><small>JUN 15 2005</small> |  | Application No.      | 09/883,851                          |
|  |  | Filing Date          | June 18, 2001                       |
|  |  | First Named Inventor | Bogdan C. Maglich                   |
|  |  | Art Unit             | 3641-3663                           |
| (Multiple sheets used when necessary)  |  | Examiner             | Jack W. Keith / David L. Greene Jr. |
| SHEET 1 OF 2   |  | Attorney Docket No.  | HIENER.1CP1C1P                      |

**U.S. PATENT DOCUMENTS**

| Examiner Initials | Cite No. | Document Number     | Publication Date | Name of Patentee or Applicant              | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
|-------------------|----------|---------------------|------------------|--|--|
| X                 | 1        | 4,035,640           | 07/12/1977       | Arnold et al.                              |  |
| X                 | 2        | 5,001,342           | 03/19/1991       | Rambow                                     |  |
| X                 | 3        | 5,258,145           | 11/02/1993       | Nelson                                     |  |
| X                 | 4        | 5,592,523           | 01/07/1997       | Tuy et al.                                 |  |
| X                 | 5        | 5,896,429           | 04/20/1999       | Lanza et al.                               |  |
| X                 | 6        | US 2003/0165212 A1  | 09/04/2003       | Maglich (Atty. Docket No. HIENER.1CP1C1)   |  |
| X                 | 7        | App. No. 11/078,688 | 03/11/2005       | McKinny (Atty. Docket No. HIENER.010A)     |  |
| X                 | 8        | App. No. 11/084,963 | 03/21/2005       | Maglich (Atty. Docket No. HIENER.1CP1C1D1) |  |
| X                 | 9        | App. No. 11/087,899 | 03/23/2005       | Maglich (Atty. Docket No. HIENER.1CP1C1C)  |  |
| X                 | 10       | App. No. 11/099,739 | 04/06/2005       | Maglich (Atty. Docket No. HIENER.1CP1C1D2) |  |
| X                 | 11       | App. No. 11/099,749 | 04/06/2005       | Maglich (Atty. Docket No. HIENER.1CP1C1PC) |  |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials | Cite No. | Foreign Patent Document                | Publication Date | Name of Patentee or Applicant                                | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear | T <sup>1</sup> |
|-------------------|----------|--|------------------|--|--|----------------|
| X                 | 12       | PCT US02/19244<br>ISR dated 02/12/2004 | 03/25/2004       | HiEnergy Technologies, Inc. (Atty. Docket No. HIENER.001QPC) |  |                |
| X                 | 13       | WO 99/49311                            | 09/30/1999       | HiEnergy Technologies, Inc. (Atty. Docket No. HIENER.001VPC) |  |                |
| X                 | 14       | WO 04/025245                           | 03/25/2004       | HiEnergy Technologies, Inc. (Atty. Docket No. HIENER.001QPC) |  |                |

**NON PATENT LITERATURE DOCUMENTS**

|                   |          |  |                |
|-------------------|----------|--|----------------|
| Examiner Initials | Cite No. | Include name of the author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>1</sup> |
| X                 | 15       | BACH, P., et al., <u>Chemical weapons detection by fast neutron activation</u> , <u>Nuclear Instruments and Methods in Physics Research</u> B79, 1993, pp. 605-610.  |                |
| X                 | 16       | BECHTEL NEVADA, <u>Associated Particle Imaging (API)</u> , DOE/NV11718-223, UC-700, May 1998, Special Technologies Laboratory, Santa Barbara, California   |                |

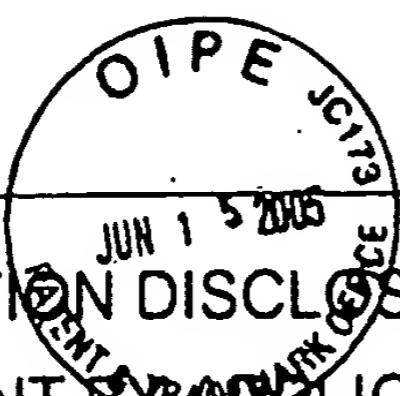
Examiner Signature

Date Considered

8/10/2005

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.



|  |  |                      |                   |
|--|--|----------------------|-------------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br><i>(Multiple sheets used when necessary)</i> |  | Application No.      | 09/883,851        |
|  |  | Filing Date          | June 18, 2001     |
|  |  | First Named Inventor | Bogdan C. Maglich |
|  |  | Art Unit             | 3641              |
|  |  | Examiner             | Jack W. Keith     |
| SHEET 2 OF 2   |  | Attorney Docket No.  | HIENER.1CPC1CP    |

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials | Cite No. | Include name of the author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.                | T <sup>1</sup> |
|-------------------|----------|---|----------------|
| XZ                | 17       | GORDON, C.M., et al., <i>A Fast-neutron Probe for Tomography and Bulk Analysis</i> , <u>Appl. Radiat. Isot.</u> , Vol. 41, No. 10/11, 1990, pp. 1111-1116.  |                |
| DC                | 18       | HEADLEY, G., et al., <i>Four-dimensional image display for associate particle imaging</i> , <u>Nuclear Instruments and Methods in Physics Research A</u> , Vol. 353, 1994, pp. 344-346.   |                |
| LZ                | 19       | MITRA, S., et al., <i>Application of the associated particle technique for the whole-body measurement of protein, fat and water by 14 MeV neutron activation analysis - a feasibility study</i> , <u>Phys. Med. Biol.</u> , Vol. 40, 1995, pp. 1045-1055. |                |

1760187  
060905

|  |                 |
|--|-----------------|
| Examiner Signature   | Date Considered |
| <i>[Handwritten signatures and initials over the form]</i><br><i>8/10/2005</i>   |                 |
| <b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.